# Retirement And Labour Market Participation 

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## Retirement And Labour Market Participation

## Key findings

- Among those aged 50 to $64,62 \%$ of men and $46 \%$ of women are at work compared to $16 \%$ of men and $8 \%$ of women aged 65 to 74 .
- Of men aged 65 to $74,82 \%$ describe themselves as retired, compared to $52 \%$ of women. However, $36 \%$ of women aged 65 to 74 report that they are 'looking after home or family'.
- For those below the State Pension Age:
- Labour supply of older adults aged 50 to 64 in Ireland is concentrated amongst the healthiest, most educated, wealthiest and most satisfied with life.
- For example, $53 \%$ of men and $28 \%$ of women with primary or no education are employed, compared to $70 \%$ of men and $62 \%$ of women with tertiary or higher education.
- In the poorest quartile of this population, $34 \%$ of women and $38 \%$ of men are at work compared to $59 \%$ of women and $71 \%$ of men in the richest quartile.
- The average number of hours worked decreases as workers move closer to age 65, suggesting some form of 'wind-down' in advance of retirement.
- Around $25 \%$ of male and female employees expect to retire before state pension age (65). Retirement expectations are different for different education groups, with the more highly educated expecting to retire earlier.
- Of female employees, $41 \%$ are not covered by an occupational, PRSA (Personal Retirement Savings Account) or private pension scheme compared to $20 \%$ of male employees.
- Pension coverage varies by group. Among higher professionals, 78\% are covered by an occupational pension, compared to $32 \%$ of unskilled workers.
- Of those currently at work, $96 \%$ of women and $98 \%$ of men report that they are not affected by any kind of workplace discrimination.


### 8.1 Introduction

Labour market participation of older people is important from the perspective of the individual and the macroeconomy. At an individual level, participation in the labour market can be associated with increased resources and enhanced levels of life satisfaction if work is a source of positive social contact and engagement. At
the level of the macroeconomy, higher levels of participation among older people translate into a bigger labour force and so increased output ${ }^{1}$. If higher participation is combined with the later payment of pensions, reductions in pensions can be achieved. Increasing the labour market participation of older people is increasingly viewed as a prerequisite for tackling the long-run costs associated with population ageing and this policy objective is reflected in the National Pensions Framework (1). Given this context, it is important to understand the patterns and determinants of labour market participation among those aged 50 and over in Ireland.

This chapter examines the issue of labour market participation from a number of perspectives. Section 8.2 provides a general overview of the labour market status of individuals aged 50 to 64 and aged 65 to 74 in Ireland. The extent to which patterns of employment of men and women aged 50 to 64 and 65 to 74 vary with health, education, wealth and life satisfaction is explored in detail in Sections 8.3 and 8.4. Section 8.5 explores the working conditions for older people in Ireland. Among the issues investigated are workplace discrimination, the pattern of hours worked by age, expectations regarding retirement age and pension coverage. Section 8.6 provides some conclusions.

### 8.2 Labour market status of older adults in Ireland: an overview

Self-reported labour market status reflects individuals' perceptions about their role in the labour market. TILDA respondents are asked to choose the status that best describes their current situation, including: retired; employed (including unpaid work in family business, temporarily away from work, or participating in an apprenticeship or an employment programme such as Community Employment); self-employed; unemployed; permanently sick or disabled; looking after home or family; in education or training; and other. If they answer "other", they are asked to specify their status in more details. Most respondents answering "other" do not see themselves as falling in one single category. For example, they are working for a few hours per week, are not in good health but do not see themselves as permanently sick or disabled and are caring for a family member.

Table 8.1 shows that the distribution of men and women in: employment, retirement, looking after family or home, and falling into the other category varies significantly by sex and age group. For the purpose of this analysis, the other category includes those who regard themselves as being unemployed, permanently sick or disabled, in education and training and other. (For a more detailed breakdown, see Table A8.1).

Of those aged 50 to $64,62 \%$ of men and $46 \%$ of women are at work. This is similar to findings from the 2004 wave of the Survey of Health and Retirement in Europe

[^0](SHARE), which show that the employment rate for men aged between 50 and 65 is $62 \%$ compared to $43 \%$ for women for the ten European countries studied (2).

As expected, the proportion of men and women at work decreases significantly with age. Between the ages of 65 and $74,16 \%$ of men and $8 \%$ of women are in employment, while $82 \%$ of men and $52 \%$ of women report themselves as retired. Another $36 \%$ of women aged 65 to 74 are looking after home or family, while men almost never describe themselves as such. The vastly different proportions of men and women who report being retired most likely reflects a difference in perception of retirement as opposed to a substantive difference across the sexes.

Among men aged 75 and over, $11 \%$ are still employed, with farmers making up most of this group ( $84 \%$ ).

Table 8.1: Labour market status by sex and age group

|  | Employed |  | Retired |  | Looking after family/home |  | Other |  | Total | Number in sample |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Male |  |  |  |  |  |  |  |  |  |  |
| 50-64 | 62 | (60-65) | 14 | (12-15) | 1 | (1-2) | 23 | (21-25) | 100 | 2081 |
| 65-74 | 16 | (14-19) | 82 | (79-84) | 0 | (0-1) | 2 | (1-3) | 100 | 1070 |
| $>=75$ | 11 | (8-14) | 87 | (84-90) | 0 | (0-1) | 2 | (1-3) | 100 | 598 |
| Total | 44 | (42-45) | 41 | (39-43) | 1 | (1-1) | 15 | (13-16) | 100 | 3749 |
| Female |  |  |  |  |  |  |  |  |  |  |
| 50-64 | 46 | (44-49) | 11 | (10-13) | 27 | (25-29) | 16 | (14-17) | 100 | 2587 |
| 65-74 | 8 | (7-10) | 52 | (49-56) | 36 | (32-39) | 4 | (3-5) | 100 | 1093 |
| $>=75$ | 1 | (1-2) | 55 | (50-59) | 40 | (35-44) | 4 | (3-6) | 100 | 749 |
| Total | 28 | (27-30) | 30 | (28-32) | 31 | (29-33) | 10 | (9-12) | 100 | 4429 |
| Total |  |  |  |  |  |  |  |  |  |  |
| 50-64 | 54 | (53-56) | 12 | (11-14) | 14 | (13-15) | 19 | (18-21) | 100 | 4668 |
| 65-74 | 12 | (10-14) | 67 | (64-69) | 18 | (17-20) | 3 | (2-4) | 100 | 2163 |
| $>=75$ | 5 | (4-7) | 68 | (64-71) | 24 | (21-27) | 3 | (2-4) | 100 | 1347 |
| Total | 36 | (34-37) | 35 | (34-37) | 17 | (16-18) | 12 | (12-13) | 100 | 8178 |

Note. $\mathrm{Cl}=$ confidence interval; Missing observations $=0.00 \%$

### 8.3 Determinants of labour market status of men and women aged 50 to 64

Table 8.1 showed that $62 \%$ of men and $46 \%$ of women aged 50 to 64 are currently at work. Self-employment is more common among men ( $41 \%$ of those at work) than women ( $12 \%$, see section 8.5.2). The drivers of employment at older ages are complex. Previous studies have suggested that determinants of employment of older people include: mental and physical health; level of education; wage opportunities; type of employment; overall wealth; financial incentives in both public and private pension schemes; preferences for work; job satisfaction; and family responsibilities or arrangements. The extent to which employment status is associated with health, education, wealth and life satisfaction in those aged $50-64$ is described below.

### 8.3.1 Employment and health

Health strongly affects an individual's ability and willingness to work at older ages. Several international studies have shown that there is a strong positive association between health and employment $(3,4)$. The 2004 wave of SHARE has shown that the employment rate of European individuals aged 50 and above is much lower for people who report having a disease or severe restrictions in activities of daily living or perceiving themselves to have poor health $(2,5)$. Also, results from the 2002 wave of the ELSA survey have shown that self-reported employment status is lower for individuals in poorer health. For example, English men before State Pension Age (SPA) who report being in excellent, very good or good health are between 35 and 40 percentage points more likely to be active than those who are in fair or poor health ( $6, \mathrm{p} .130$ ).

TILDA respondents are asked to rate their health on a five-point scale (excellent, very good, good, fair, poor). For the purpose of this analysis, three groups are identified: (a) those claiming to be in excellent, very good or good health; and (b) those reporting fair health; and (c) those claiming to be in poor health.

Figure 8.1 suggests that health is very strongly correlated with employment for those aged 50-64, with people reporting their health as poor very unlikely to be in employment. Focusing firstly on men, $69 \%$ of those in excellent, very good or good health are employed. For men in fair and poor health, the employment rate is $43 \%$ and $17 \%$, respectively. For women, a similar pattern holds. Among women in excellent, very good or good health, $52 \%$ are employed but for women in fair and poor health, only $30 \%$ and $9 \%$ are employed, respectively.

Figure 8.1: Proportion of the population aged 50-64 at work by self-rated health status and sex


Note. $\mathrm{N}=4667$; Missing obs = 1; Error bars correspond to $95 \%$ confidence intervals

### 8.3.2 Employment and education

Previous studies suggest that there is a positive association between education and employment. For example, Kakwij and Vermeulen (7) used the first wave of SHARE data and found that all other things being equal, the higher the level of education an individual has, the higher is the probability of labour market participation. Avendano, Jürges, and Mackenbach (8) used Wave 1 and 2 of SHARE and found that low educational attainment is associated with a lower probability of being employed in all European regions. Haider and Loughran (9) used the 1991-1999 waves of the Current Population Survey and the 1998 wave of the HRS survey to investigate the labour market status of Americans aged 50 and above. They found that labour force participation is higher at higher levels of education at all ages, ranging from $23 \%$ for dropouts to $62 \%$ for those with more than a college level education (p. 10).

In TILDA, education is measured by the highest level of formal education achieved. Irish-specific levels are reclassified into three categories: primary/none (not complete or primary or equivalent), secondary (intermediate/junior/group certificate or equivalent and leaving certificate or equivalent) and third/higher (diploma/ certificate, primary degree and postgraduate/higher degree).

Figure 8.2 shows that a clear education gradient exists: more educated respondents are more likely to be in employment between the ages of 50 and 64 , and the
strength of the association appears particularly strong for women. Looking at men first, the proportion who are employed rises from $53 \%$ for those with primary education to $65 \%$ for those with secondary education and to $70 \%$ for the third level group. For women, this employment-education gradient starts at $28 \%$, increases to $47 \%$ for those with second level education and then increases to $62 \%$ for those with third level education.

Figure 8.2: Employment rate by educational attainment and sex in those aged 50-64


Note. $\mathrm{N}=4668$; Missing obs = 0 ; Error bars correspond to $95 \%$ confidence intervals

### 8.3.3 Employment and wealth

The association between wealth and labour market status has also been widely investigated in the literature. It is possible that older people choose to remain at work because of poor financial circumstances, however, Haider and Loughran (9) found that the wealthiest Americans are more likely to be working than the poorest at all ages, and that the difference in labour force participation between the richest and poorest groups (quintiles) increases with age. Banks and Casanova (6) investigated the relationship between inactivity and wealth of English men aged 50 to 64 . Contrary to Haider and Loughran (9), they found that inactivity rates exhibit a U-shaped pattern by wealth. Looking across five wealth quintiles, the lowest two wealth groups are most likely to be inactive, but not retired. The highest two wealth groups are most likely to inactive and retired, while those in the middle of the wealth distribution are most likely to be at work. They also found that the association between inactivity and wealth flattens considerably at older ages, with men remaining in work being concentrated at either extreme of the wealth distribution (i.e., in the poorest or richest quintile).

TILDA respondents are asked to provide information on their gross assets, including self-valuation of: current residence, properties other than current residence; cars; savings; other financial assets; and other assets including businesses and land. For the purpose of this analysis, wealth is defined as the sum of gross assets and respondents are divided in wealth quartiles.

Figure 8.3 shows that there is a consistent positive association between employment and wealth, especially for women. Of women who fall in the poorest quartile, $34 \%$ are in employment, compared to $41 \%$ in the second quartile, $46 \%$ in the third quartile and $59 \%$ in the richest quartile. Of men who fall in the poorest quartile, $38 \%$ are in employment, compared to $50 \%$ in the second quartile and $71 \%$ in both the third and richest quartiles.

Figure 8.3: Employment rate by wealth quartile and sex in those aged 50-64


Note. $\mathrm{N}=2377$; Missing obs $=2291$; Error bars correspond to $95 \%$ confidence intervals

### 8.3.4 Employment and life satisfaction

Previous studies have suggested that working to an older age has positive physical and psychological effects. This may be due to work being an opportunity for active engagement ( 10,11 ). Calvo (12) exploited the longitudinal dimension of the Health and Retirement Survey (HRS) and found that longer working lives have beneficial effects on individuals' physical and psychological well-being. However, the type of job undertaken was found to be a critical factor, with undesirable jobs washing out the potential favourable effects of work. On the other hand, results from SHARE suggest that contented employees tend to work longer. Individual responsibility
and professional recognition also act as incentives to postpone retirement (13. p.8). Calvo, Haverstick, and Sass (14) studied the HRS cohort of respondents who were fully employed in 1992 and fully retired by 2004. They found that what matters for individuals' happiness is not the type of transition to retirement (e.g. gradual versus full retirement) but whether the transition is perceived as chosen or imposed.

TILDA respondents are asked whether they agree or disagree with the statement "I am satisfied with my life". Alternatives are presented on a show card ranging from one (strongly agree) to seven (strongly disagree). Around $80 \%$ of male respondents aged 50 to 64 give a response of one or two. Around $10 \%$ give a response of three and the remaining $10 \%$ give a response of four or above. Hence, the following three categories are identified: a) one-two (high); three (medium); and four and above (low).

Figure 8.4 shows an association between life satisfaction and employment. The rate of employment among the most satisfied men is $66 \%$; amongst the least satisfied it is $43 \%$. For women, the corresponding figures are $50 \%$ and $31 \%$.

Figure 8.4: Employment rate by life satisfaction and sex in those aged 50-64

Female $\qquad$



Note. $N=4663$; Missing obs = 5; Error bars correspond to $95 \%$ confidence intervals

In summary, labour supply of older adults aged 50 to 64 in Ireland is concentrated amongst the healthiest, most educated, wealthiest and most satisfied members of the population.

### 8.4 Labour market status of men and women aged 65 to 74

The following section describes the labour market status of men and women aged 65 to 74 and hence already beyond the state pension age (SPA). Table 8.1 showed that for this group, most men are retired ( $82 \%$ ) and the majority of women are either retired or looking after home or family ( $52 \%$ and $36 \%$, respectively). Of those at work ( $16 \%$ of all men, $8 \%$ of all women), $73 \%$ of men are self-employed and $27 \%$ are employees. These compare to $31 \%$ and $69 \%$, respectively, for women.

Previous international studies including ELSA and HRS have shown that some retired men and women still undertake some paid work. Although reporting themselves as retired, such individuals still show some attachment to the labour market. In the TILDA sample, $4 \%$ of both men and women aged 65 to 74 report themselves to be retired but have done at least one hour of paid work in the previous week. These are defined as "retired but working". For these respondents, the transition out of work is not complete. For this reason, it is appropriate to include them with those who give their main status as being employed.

Similarly to those aged between 50 and 64, there is an association between health and employment. Of men who report being in excellent, very good or good health, $22 \%$ are working or retired but working, compared to $12 \%$ of those who claim to be in fair or poor health. The corresponding figures for women are $12 \%$ and $5 \%$, respectively.

Compared to those aged 50-64, differences across the three educational groups do not hold for men, but are still clear-cut for women. Figure 8.5 shows that $6 \%$ of women aged 65 to 74 with primary or no education are still at work, compared to $12 \%$ for those with secondary education and $17 \%$ for those with third or higher education.

Figure 8.6 shows that there is an association between employment and wealth for men aged 65-74, but not for women. Of men aged 65 to 74 who fall in the poorest group, $5 \%$ are in employment, compared to $13 \%$ in the second quartile, $20 \%$ in the third quartile and $26 \%$ in the wealthiest group. Also, the vast majority ( $73 \%$ ) of men aged 65 to 74 who are still at work are self-employed whereas most women (69\%) are employees, suggesting significant differences in the reasons for continuing to work between men and women in this age group. Finally, in contrast with those aged between 50 and 64, there is no association between employment and life satisfaction for those aged 65 to 74 .

To sum up, labour supply of individuals aged 65 to 74 in Ireland seems to be concentrated amongst healthiest men and women, wealthiest men and most educated women.

Figure 8.5: Employment rate by educational attainment and sex in those aged 65-74


Note. N = 2162; Missing obs = 1; Error bars correspond to 95\% confidence intervals

Figure 8.6: Employment rate by wealth quartile and sex in those aged 65-74


Note. $\mathrm{N}=1032$; Missing obs = 1131; Error bars correspond to $95 \%$ confidence intervals

### 8.5 Working conditions of employees aged 50 and above

Here the working conditions of all older employees in Ireland are discussed. Particular issues investigated are: workplace discrimination; the pattern of hours worked by age; expected retirement age; and pension coverage.

### 8.5.1 Workplace discrimination

TILDA respondents currently in employment are asked whether over the past twelve months they have been subjected to discrimination linked to: sex; age; nationality; ethnic background; religion; disability; and sexual orientation. Very few older people are affected by discrimination at work: $97.6 \%$ of men and $96.4 \%$ of women who are at work report that they are not being affected by any kind of workplace discrimination.

### 8.5.2 Hours at work and wind-down

Individuals may change their attitudes about work and compensation as they age. Haider and Loughran (9) found that older Americans work fewer weeks and fewer hours than their younger counterparts and that the median wage decreases with age for both full and part-time workers, regardless of their level of education. SHARE and ELSA have shown that more women work part-time than men, and that both men and women over 65 are more likely to work part time than their younger counterparts. $(6,15)$.

Figure 8.7 explores the issue of "wind-down" by looking at the relative proportions of men and women who are in part-time work divided into four different age groups: (a) 50-54; (b) 55-59; (c) 60-64; and (d) 65+. Following ELSA and SHARE, a part-time worker is defined as an individual working for less than 30 hours per week (excluding meal breaks but including any paid or unpaid overtime). If a respondent has more than one job, both main and subsidiary jobs are taken into account. Only respondents who report themselves to be employed are included (self-employed are excluded).

Men and women approaching the State Pension Age (SPA) (i.e. those aged 6064 ) and after SPA (aged $65+$ ) are more likely to be working part-time than their younger counterparts (aged 50-54 and 55-59): 7\% of men aged 50-54 work part-time, compared to $23 \%$ of men aged $60-64$ and $31 \%$ of men aged $65+$. The corresponding figures for women are $48 \%, 56 \%$ and $71 \%$, respectively.

The issue of working time can be investigated more closely by looking at the average number of hours spent at work in the same age groups: (a) 50-54; (b) 55-59; (c) 60-64; and (d) 65+. Table 8.2 shows that the average number of hours worked decreases across the groups of men and women as they move closer to age 65, especially for men.

Figure 8.7 : Proportion of employees working part time by age and sex


Note. $\mathrm{N}=2037$; Missing obs = 9; Error bars correspond to $95 \%$ confidence intervals

For men, the average number of hours worked is similar before and after reaching age 65 ( 37 for men aged 60-64 compared to 36 for men aged 65+). However, far fewer men work after this age and there is likely to be a "composition effect" caused by the characteristics of this group. For women, the number of hours worked decreases significantly after reaching age 65, shifting from 27 for women aged 60 to 64 to 21 for women aged 65 and above.

Table 8.2: Weekly average number of hours spent at work by sex and age group, employees only

|  | Men |  | Women |  |
| :--- | :--- | :--- | :--- | :--- |
|  | Mean | $95 \% \mathrm{Cl}$ | Mean | $95 \% \mathrm{Cl}$ |
| $50-54$ | 43 | $(42,44)$ | 29 | $(28,30)$ |
| $55-59$ | 42 | $(40,44)$ | 28 | $(27,30)$ |
| $60-64$ | 37 | $(35,40)$ | 27 | $(25,29)$ |
| $65+$ | 36 | $(31,42)$ | 21 | $(18,24)$ |

Note. $\mathrm{Cl}=$ confidence interval; $\mathrm{N}=2037$; missing $=9$

### 8.5.3 Expected Retirement Age

As noted in the introduction to this chapter, a central theme in the economics of ageing is the desirability of extending working lives/postponing retirement so that
the pressures on state pensions systems can be alleviated. In Ireland, a recent policy initiative which aims to achieve these objectives was contained in the National Pensions Framework (1). Under proposals contained in that document, the state pension age will be increased gradually to 68 years over a period of time. Starting in 2014, the state pension age will be increased by one year to 66 . It will subsequently be raised to 67 in 2021 and to 68 in 2028. In this context, it is important to explore the age at which those currently at work expect to retire.

TILDA respondents are asked to state the age at which they plan to retire. The question is asked not only to those currently employed (including employees and self-employed), but also to those who are unemployed or in education or training. However, only employees aged 50 to 64 are included in the present analysis.

Figure 8.8 shows that male and female employees have different expectations. Among employees, $43 \%$ of men and $36 \%$ of women expect to retire at age 65, the current state pension age. $25 \%$ of men and $26 \%$ of women plan to retire before state pension age (50-64), whereas $15 \%$ of men and $10 \%$ of women plan to continue working after reaching the current state pension age (66+). Also, women are more uncertain about the age at which they will retire: $13 \%$ of women and $6 \%$ of men do not know when they will retire. Interestingly, $16 \%$ of women and $11 \%$ of men do not plan to retire.

Figure 8.8: Expected retirement age by sex, employees aged 50-64


Note. $N=1915$; Missing obs = 0; Error bars correspond to $95 \%$ confidence intervals

Figure 8.9 shows that expectations are different for different education groups, with the more highly educated expecting to retire earlier. For example, $7 \%$ of men and $9 \%$ of women with primary or no education expect to retire before SPA, compared to $37 \%$ of men and $38 \%$ of women with tertiary or higher education. Similarly, $17 \%$ of men and $26 \%$ of women with primary or no education do not plan to retire, compared to $10 \%$ of men and $11 \%$ of women with tertiary or higher education. For more details, see Table A8.2.

Figure 8.9: Expected retirement age by educational attainment and sex, employees aged 50-64


### 8.5.4 Pension coverage

Another objective of the National Pensions Framework is to ensure increased pension coverage beyond the state pension. TILDA respondents working in both the private sector and public sector were asked whether they are covered by an occupational pension scheme organised by their current or previous employer, a Personal Retirement Saving Account (PRSA) organised through their current employer, or another kind of personal pension scheme.

Figure 8.10 shows the proportions of male and female employees aged 50 to 64 who are: a) covered by an occupational pension scheme; b) covered by a PRSA or another kind of personal pension scheme; c) not covered by any of these. If respondents are covered by both an occupational and personal pension scheme, they are classed as having an occupational pension.

Echoing results from a special module of the Quarterly National Household Survey (16), TILDA shows that female employees aged 50 to 64 are less likely to be covered by occupational and private pension schemes than their male counterparts. Amongst women at work, $41 \%$ are not covered by an occupational, PRSA or private pension scheme compared to $20 \%$ of men. Women are also less likely to be covered by an occupational pension scheme ( $52 \%$ compared to $68 \%$ for men).

Figure 8.10: Pension coverage and sex, employees aged 50-64


Note. $\mathrm{N}=1898$; Missing obs $=17$

Private sector employees who are covered by an occupational pension scheme with their current employer are then asked if this is a defined contribution or defined benefit scheme. Defined benefit schemes provide the employee with a pension "promise" of a certain percentage of an employee's final salary. Defined contribution schemes offer a pension determined by the level of contributions invested into a fund, its investment performance and the charges levied. Public sector employees are asked the name of the scheme they are covered by (e.g., main civil service pension scheme and pension schemes of members of the Garda, armed forces or university teaching and research staff). For the purpose of this analysis, public sector employees who are covered by an occupational pension scheme are considered as covered by a defined benefit scheme. Of those covered by an occupational pension scheme with their current employer, $74 \%$ of men and $85 \%$ of women are covered by a defined benefit scheme. $26 \%$ of men and $15 \%$ of women are covered by a defined contribution scheme.

Figure 8.11 shows that pension coverage varies significantly by socio-economic group. For example, $74 \%$ of managers and $78 \%$ of higher professionals are covered by an occupational pension, compared to $48 \%$ of semi-skilled and $32 \%$ of unskilled workers. For more details, see Table A8.3.

Figure 8.11: Pension coverage by socio-economic group, employees aged 50-64


### 8.6 Conclusions

More educated, healthier, wealthier and more satisfied older adults are more likely to be at work. While it is tempting to draw inferences about causation, plausible arguments can be made in the case of each factor as to why causal relationships with employment could run in either direction. Better health allows people to remain at work for longer but it is also possible that work contributes to mental and physical health through its impact on social interaction or physical activity. Chapter 6 also shows that respondents with depression have extremely low rates of labour force participation compared to the general population. As with many other dimensions of TILDA, the longitudinal component of the study will be vital in developing insights into these causal links.

The results show both positive and negative aspects of the labour market situations of older employees. On the positive side, little evidence was found of widespread discrimination on the grounds of age. It was also found that average hours worked decline for older groups, thereby suggesting that some form of "wind-down" in
advance of retirement may be occurring for some people. On the negative side, the analysis has also shown that one in five male employees and two in five female employees aged 50-64 are not covered by any form of pension.

While the findings presented here shed light on a range of aspects of the labour market situation of older adults, the real value of TILDA will emerge when the data from wave 2 and subsequent waves are available. As the later waves become available, it will be possible to track trends in the variables of interest. It will also be possible to establish causal relationships including for example, the extent to which good health leads people to work longer or working longer leads to good health. By identifying factors that assist longer and more fulfilling working lives, TILDA will allow for the development of carefully designed policy interventions.

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Appendix A8. Tables on labour market status of older people
Table 8.A1: Labour market status by sex and age group

|  | Retired |  | Employed |  | Unemployed |  | Permanently Sick or Disabled |  | Looking After Family / Home |  | Other |  | Total | Number in sample |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \% | 95\% CI | \% | 95\% CI | \% | 95\% CI | \% | 95\% Cl | \% | 95\% Cl | \% | 95\% CI |  |  |
| Male |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50-54 | 3 | (2-4) | 76 | (73-79) | 13 | (10-15) | 6 | (5-8) | 1 | (1-3) | 1 | (1-2) | 100 | 727 |
| 55-59 | 11 | (9-14) | 62 | (58-65) | 17 | (14-20) | 7 | (6-10) | 1 | (0-2) | 2 | (1-3) | 100 | 737 |
| 60-64 | 28 | (25-32) | 48 | (44-52) | 8 | (6-10) | 12 | (9-15) | 1 | (1-3) | 2 | (1-4) | 100 | 616 |
| 65-69 | 77 | (73-80) | 20 | (16-24) | 1 | (0-2) | 2 | (1-4) | 0 | (0-1) | 1 | (0-2) | 100 | 591 |
| 70-74 | 88 | (85-91) | 11 | (8-14) | 0 | - | 0 | (0-2) | 0 | (0-2) | 0 | (0-2) | 100 | 476 |
| 75+ | 87 | (84-90) | 11 | (8-14) | 0 | - | 1 | (0-2) | 0 | (0-1) | 1 | (0-2) | 100 | 602 |
| Total | 41 | (39-43) | 44 | (42-45) | 8 | (7-9) | 6 | (5-6) | 1 | (1-1) | 1 | (1-2) | 100 | 3749 |
| Female |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50-54 | 2 | (1-3) | 58 | (54-61) | 7 | (5-9) | 8 | (6-10) | 21 | (19-25) | 4 | (3-5) | 100 | 895 |
| 55-59 | 8 | (7-10) | 47 | (44-51) | 5 | (4-7) | 8 | (6-10) | 28 | (25-32) | 2 | (1-4) | 100 | 912 |
| 60-64 | 25 | (22-28) | 33 | (30-36) | 4 | (3-6) | 6 | (5-9) | 30 | (27-34) | 2 | (1-3) | 100 | 777 |
| 65-69 | 48 | (44-52) | 13 | (10-16) | 1 | (0-2) | 3 | (2-4) | 35 | (31-39) | 2 | (1-3) | 100 | 605 |
| 70-74 | 58 | (53-63) | 3 | (1-4) | 0 | - | 2 | (1-4) | 37 | (32-42) | 1 | (0-2) | 100 | 487 |
| 75+ | 55 | (50-59) | 1 | (1-2) | 0 | (0-1) | 2 | (1-4) | 40 | (35-44) | 2 | (1-3) | 100 | 753 |
| Total | 30 | (28-32) | 28 | (27-30) | 3 | (3-4) | 5 | (4-6) | 31 | (29-33) | 2 | (2-3) | 100 | 4429 |

[^1]Table 8.A1 (cont): Labour market status by sex and age group

Note. $\mathrm{Cl}=$ confidence interval; Missing observations $=0.00 \%$
Table 8.A2: Expected retirement age by educational attainment and sex, employees aged 50-64


[^2]Table 8.A3: Pension coverage by socioeconomic group, employees aged 50-64


[^3]
[^0]:    1 At a time of recession, it might be argued that the demand for labour is below supply and so additional supply, through higher participation, will not lead to an increase in output. While there might be some truth in this argument, the argument here applies over the longer term during which time periods of excess labour demand may also apply.

[^1]:    Note. $\mathrm{Cl}=$ confidence interval; Missing observations $=0.00 \%$

[^2]:    Note. $\mathrm{Cl}=$ confidence interval; Missing observations $=0.00 \%$

[^3]:    Note. $\mathrm{Cl}=$ confidence interval; Missing observations $=0.89 \%$

